

Purpose: To find out if the amount of water affects plant height.

Hypothesis: If a plant is given more water it will grow taller.

Independent

Variable: The amount of water per day (mL)

Levels of the

I.V.: (amt. of water)

50mL	100mL	150mL (control)	200mL	250mL
10 trials	10 trials	10 trials	10 trials	10 trials

control is the standard for comparison

Dependent

Variable: Height of the plant after 40 days (cm)

Constants:

All grew 40 days, 500g of soil, 16's potting soil, type of water (distilled), same pots, amt. of sunlight, Temperature

Purpose: Does the color of the food

Hypothesis: affect if kids choose their favorite color. The kids will choose their favorite color.

Independent

Variable:

Levels of the

I.V.:

R	G	Y	B	N
100	100	100	100	100

Brodey

Dependent

Variable:

number of kids that choose each color

Constants:

Purpose: To ^{determine} (find out) if plants compete for space.

Hypothesis: Plants will compete for space.

Independent

Variable: The number of seeds in a cup.

Levels of the

I.V.: (# of seeds)

2	4	8	16	32
1 trial	1 trial	1 trial	1 trial	1 trial

Dependent

Variable:

"the way the plant looks"

Color (green, brown, spots)
Height (cm)
Weight (g)
Number that live

Constants:

Amount of soil, size of each cup, amount of sunlight, amount of water, type of seeds, same temperature, 25 days

Purpose:

Hypothesis:

Independent Variable:

Levels of the I.V.:

Dependent Variable:

Constants: